

POLAR-AXIS TELESCOPE AND
EQUATORIAL TELESCOPE MOUNT INCLUDING THE SAME

ABSTRACT OF THE DISCLOSURE

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The polar-axis telescope has an objective lens, a focal plate, an eyepiece, a zoom optical system, and a zoom optical system driver. The objective lens forms an object image, and the focal plate is arranged on a focal plane of the objective lens. The eyepiece is arranged backward of the focal plate and forms an observed image. The zoom optical system is arranged between the objective lens and the eyepiece. The zoom optical system makes the observed image appear gradually bigger while maintaining an in-focus situation. The zoom optical system driver shifts the zoom optical system along a polar-axis, corresponding to an optical axis of the polar-axis telescope, so as to change a magnification.

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